Doc. No. 2581

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War Ministry Building }
City of TOKYO } s.s.

I, PHILIP EARL SANDERS, Chief Boatswain's Mate, United States Navy, now attached to the International Prosecution Section of S.C.A.P., being duly sworn, depose and say that I am qualified in Navigation and have recently examined United States Navy Hydrographic Time Tables.

I have examined the variations in time between places marked on the first line of the attached Time Table and say that they are accurately set out. I have, by arithmetical calculations, prepared the said Time Table for the 24 hours of December 8th, 1941, Tokyo Time, and these calculations are, to the best of my knowledge and belief, true. Variations in time for any other date can be calculated accordingly.

/s/ Philip E.rl Sanders

PHILIP EARL SANDERS, Chief Boatswain's Mate, United States Navy.

Subscribed and sworn to before me this 8th day of August, 1946.

/s/ Harryman Dorsey

HARRYMAN DORSEY, Captain, JAGD.

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COMPARATIVE TIME TABLE BASED ON TOKYO, PROCEEDING RASTWARD, on 7th - 8th DECEMBER

PEARL HARBOR	MASHINOTON	GREENWICH	BANCKOK	KOTA BHARU. SINGAPORE.	HONG KONG SHANGHAI, MANILA.
7th Dec. 0430	7th Dec. 1000	7th Dec. 1500	7th Dac 2200	7th Dec. 2220	7th Dec.
35	05	05	05	25	05
40	10	10	10	30	10
45	15	15	15	35	15
50	20	20	20	140	20
55	25	25	25	45	25
0500	30	30	90	50	30
05	35	35	35	. 55	35
10	40	40	40	2300	40
15	45	45	45	1 05	45
		50	50	10	50
		55	55	15	55
	1100	1600	2300	20	8th Dec 0000
	05	05	05	25	05
	10	10	10	30	10
	15	15	15	35	15
			20	40	20
			25	45	25
				50	30
				55	35
				8th De	40
					45
					50
					55
			8th D	ec. 20	0100
					05
					10
					15
					20
	7th Dec. 0430 35 40 45 50 55 0500	7th Dac. 7th Dac. 0430 1000 35 05 40 10 45 15 50 20 55 25 0500 30 05 35 10 40 15 45 20 50 25 55 30 1100 35 05 40 10 45 15 50 20 55 25 0600 30 05 35 10 40 15 45 20 50 25 55 30 1200 35 05 40 10 45 55 30 1200 35 05 40 10 45 55 30 1200	7th Dac. 7th Dac. 7th Dac. 7th Dac. 1500 35 05 05 05 40 10 10 10 45 15 15 15 50 20 20 25 55 25 25 25 0500 30 30 30 05 35 35 35 10 40 40 40 15 45 45 45 20 50 50 50 25 55 55 55 30 1100 1600 35 05 05 40 10 10 45 15 15 50 20 20 55 25 25 0600 30 30 05 35 35 10 40 40 45 45 20	7th Dec. 0430 7th Dec. 1600 7th Dec. 1500 7th Dec. 2200 35 05 05 05 40 10 10 10 45 15 15 15 50 20 20 20 55 25 25 25 0500 30 30 30 05 35 35 35 10 40 40 40 45 45 45 45 20 50 50 50 25 55 55 55 30 1100 1600 2300 35 05 05 05 40 10 10 10 45 15 15 15 50 20 20 20 55 25 25 25 0600 30 90 30 05 35 35 35	7th Dac. 7th Dac.

TOKYO	PEARL HARBOR	WASHINGTON	GREENWICH	BANCKOK	KOTA BHAHU, SINGAPORE.	HONG KONG, SHANGHAI, MANTIA.
8th Dec.	7th Dec.	7th Dec.	7th Dec.	8th Dec.	8th Dec.	8th Dec.
0225	0655	1225	1725	0025	0045	0125
30	0700	30	30	30	50	30
.35	05	35	35	35	55	35
40	10	40	40	40	0100	40`
45	15	45	45	45	05	45
50	.20	50	50	50	10	50
55	25	55	55	55	15	55
0300	30	1300	1800	0100	20	0200
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35.	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	0800	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	0200	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
0400	30	1400	1900	0200	20	0300
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	50	20	20	40	20
25	55	25	25	25	45	25
30	0900	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	0300	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	PURL: http://w	55 ww.legal-tools.org/doc/f7

токуо Р	EARL HARBOR	Washington	CREENWICH	BANCKOK	KOTA BHARU, SINGAPORE	HONG KONG, SHANGHAI, MANILA
8th Dec. 0500 0505	7th Dec. 0730 0935	7th Dec. 1505	7th Dec. 2005	8th Dec. 0300 0305	8th Dec. 0320 0325	8th Dec. 0400 0405
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	1000	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	0400	40
. 45	ĭ5	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
0600	30	1600	2100	0400	20	0500
05	35	[™] 05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	1100	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	0500	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
0700	30	1700	2200	0500	20	0600
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	1200	30	30	30	. 50	30
35	05	35	3 5	35	55	35
40	10	40 45	40	40 45 Pt	URL: http://www	.legal-tools.org/doc/f719

TOKYO	PEARL HARBOR	Washington	GREENWICH	BANGKOK	KOTA BAHRU, SINGAPORE	HONG KONG, SHANGHAI, MANILA
8th Dec.	7th Dec.	7th Dec.	7th Dec.	8th Dec.	Reb Dos	
0750	1220				8th Dec. 0610	8th Dec.
		1750	2250	0550		0650
55 0800	25	55	55	55	15	55
	30	1800	2300	0600	20	0700
05 10	35	05	05	05	25	05
	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	1300	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	0700	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55 8th Dec.	55	15	55
0900	30	1900	0000	0700	20	0800
05	35	05	05	05	25	. 05
10	40	10	10	10	30	10
15	45	15	15	.15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	1400	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	0800	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	- 25	55	55	55	15	55
1000	30	2000	0100	0800	20	0900
05	35	05	05	05	25	05
. 10	40	10	10	10	30	10
15	45	15	15	15	35	15
, 50	50	20	20	20	40	20

TOKYO	PEARL HARBOR	WASHINGTON	GREENWICH	BANCKOK	KOTA BAHRU, SINGAPORE	HONG KONG, SHANGHAI, MANILA
8th Dec.	7th Dec.	7th Dec.	8th Dec.	8th Dec.	8th Dec.	8th Dec.
1025	1455	2025	0125	0825	0845	0925
30	1500	30	30	30	50	30
35	05	35	35	35	55	35
40	. 10	40	40	40	0900	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
1100	30	2100	0200	0900	20	1000
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	1600	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	1000	40
45	. 15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
1200	30	2200	0300	1000	20	1100
05	35	05	05	05	25	05
10	40	10	, 10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
. 25	55	25	25	25	45	25
30	1700	30	30	30	50	. 30
35	05	35	35	35	55	35
40	10	40	40	40	1100	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
1300	. 30	2300	0400	1100	20	1200

TOKYO	PEARL HARBOR	MASHINGTON	GREENWICH	BANCKOK	KOTA BAHRU, SINGAPORE	HONG KONG SHANGHAI, MANILA
Ath Dec.	7th Dec.	7th Dec.	8th Dec.	8th Dec.	8th Dec.	8th Dec.
1305	1735	2305	0405	1105	1125	1205
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	1800	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	1200	40
.45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	. 55	55	55	15	55
1400	30	8th Dec.	0500	1200	20	1300
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55_	25	25	25	45	25
30	1900	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	1300	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
1500	30	0100	0600	1300	20	1400
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	2000	30	30	30	50	30
35	05	35	35	35	55	35
. 40	10	40	40	40	1400	40

TOKYO	PEARL HARBOR	MASHINGTON	GREENWICH	BANCKOK	KOTA BAHRU, SINGAPORE	HONG KONG, SHANGHAI, MANILA.
8th Dec.	7th Dec.	8th Dec.	8th Dec.	8th Dec.	8th Dec.	8th Dec.
1545	2015	0145	0645	1345	1405	1445
50	20	50	50	50	10	50
55	25	55	55	55	15	55
1600	30	0200	0700	1400	20	1500
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	2100	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	1500	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50.
55	25	55	55	55	15	55
1700	30	0300	0800	1500	. 20	1600
05	. 35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	2200	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	1600	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
1800	30	0400	0900	1600	20	1700
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45 .	15	15	15	35	15
20	. 1 50	20	20	20	40 JRL: http://wwv	20

TOKYO	PEARL HARBOR	WASHINGTON	GREENWICH	BANCKOK	KOTA BAHRU, SINGAPORE	HONG KONG, SHANGHAI, MANILA.
8th Dec.	7th Dec.	8th Dec.	8th Dac.	8th Dec.	8th Dec.	8th Dec.
1825	2255	0425	0925	1625	1645	1725
30	2300	30	30	30	50	30
. 35	05	35	35	35	55	35
40	10	40	40	40	1700	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
1900	30	0500	1000	1700	20	1800
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	8th Dec.	30	30	30	50	30
35	. 05	35	35	35	55	35
40	10	40	40	40	1800	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
2000	30	0600	1100	1800	20	1900
05	ar 35	05	05	05	25	05
10	40,	10	10	10	30	10
15	- 45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	0100	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	1900	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	. 55	15	55
2100	30	0700	1200	1900	20	2000

TOKYO	PEARL HARBOR	WASHINGTON	GREENWICH	BANGKOK	KOTA BAHRU, SINGAPORE	HONG KONG, SHANGHAI, MANILA.
8th Dec.	8th Dec.	8th Dec.	8th Dec.	8th Dec.	8th Dec.	8th Dec.
2105	0135	0705	1205	1905	1925	2005
10	40 .	10	10	10	30	10
15	4 45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	0200	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	2000	40
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55 .
2200	30	0800	1300	2000	20	2100
05	35	05	05	05	25	. 05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20 .
25	55	25	25	25	45	25
30	0300	30	30	30	50	30
35	05	35	35	35	55	35
40	10	40	40	40	2100	140
45	15	45	45	45	05	45
50	20	50	50	50	10	50
55	25	55	55	55	15	55
2300	30	0900	1400	2100	20	2200
05	35	05	05	05	25	05
10	40	10	10	10	30	10
15	45	15	15	15	35	15
20	50	20	20	20	40	20
25	55	25	25	25	45	25
30	0400	30	30	30	50	90
35	05	35	35	35	55	35
40	10	40	40	40	2200	40
	7			PUR	L: http://www.le	gal-tools.org/doc/f7198c/

PEARL HARBOR	WASHINGTON	GREENWICH	BANCIKOK	KOTA BAHRU, SINGAPORE	HONG KONG, SHANGHAI, MANILA.
8th Dec.	Sth Dec.	8th Dec.	8th Dec	8th Dec.	8th Dec.
0415	0945	1445	2145	2205	2245
20	50	50	50	10	50
5 25	55	55	55	15	55
	6 0415 20	9415 9945 20 50	9415 0945 1445 20 50 50	9415 945 1445 2145 20 50 50 50	SINGAPORE SINGAPORE Sth Dec.

This is the time table referred to in my affidavit sworn before Capt. Dorsey on 8 day of August, 1946.

/s/ Philip Earl Sendars.

Witness:

Captain, JACD.